

AMBULATORY SURGICAL CENTERS' UTILIZATION REPORT, INDIANA, 2001

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Introduction

On a quarterly basis, the Indiana State Department of Health requests licensed ambulatory surgical centers to describe their resources, utilization, and outcome from the surgical procedures. This report summarizes the information for calendar year 2001.

Characteristics of Ambulatory Surgical Centers

As of December 31, 2001, there were 99 ambulatory surgical centers in Indiana, located in 25 of the 92 counties. The majority of these centers have the following characteristics

CHARACTERISTICS OF CENTERS	STATEWIDE STATISTICS
Number of Surgical Centers	99
Percent of Centers in Urban Counties of Indiana	91%
Percent of centers with all physicians focusing on a single specialty	49%
Percent that are MD owned	59%
Percent of for-profit corporations	96%
Average Number of Operating Rooms	2.7

These centers are established, equipped, and operated primarily for the purpose of performing needed medical surgical procedures and services. These centers are an alternative source of surgery performed in hospital-based outpatient operating rooms.

Annual Utilization Statistics

In 2001, physicians, dentists, or podiatrist performed 367,326 procedures on 281,608 patients in 99 centers. Each surgical center performed an average of 124 procedures every 30 days.

It is estimated that this surgical volume represented 26 percent of all outpatient surgeries

performed. In 2000, the Indiana Hospital and Health Association determined that physicians in hospital-based outpatient operating rooms performed 650,352 procedures. The remaining five percent of surgeries are performed in offices of independent physician practices.

The ambulatory surgical centers serve three distinct patient populations: the middle-aged population seeking assistance with digestive problems, the elderly seeking removal of cataracts, and all other patients seeking general outpatient surgical care.

CHARACTERISTICS OF PATIENT POPULATION	STATEWIDE PERCENT
Percent of Females	50.8%
Percent of Patients aged 1 to 17 years	7.3%
Percent of Patients aged 18 to 64 years	54.4%
Percent of Patients aged 65 years and older	38.3%
Percent of Patients reimbursed under Medicaid	4.3%

The number of operating rooms, total annual procedures, and principal surgical focus by center is shown in Table A. The trend line on the growth of centers and procedures is shown below:

	1999	2000	2001
Total Ambulatory Surgery Centers	87	96	99
Total Procedures	231,458	331,399	367,326

In 2001, the majority of these centers focused on performing procedures on the eye and the digestive system.

The twelve most frequent procedures that are filed in quarterly reports are seen below.

NAME OF SELECTED PROCEDURES	NUMBER OF CENTERS	CPT CODE	NUMBER OF PROCEDURES	AVERAGE PER CENTER
Extracapsular cataract removal	43	66984	38,613	898
Colonoscopy	24	45378	15,726	611
YAG Laser on lens capsule	30	66821	12,963	432
Injection to lumbar or epidural	27	62311	11,853	429
Gastrointestinal Endoscopy	22	43239	11,107	539
Colonoscopy to Snare Tumor	31	69436	7,710	249
Colonoscopy to Remove Tumor	21	45385	7,396	352
Colonoscopy with biopsy	21	45380	6,003	285
Neuroplasty with carpal tunnel	22	64721	5,566	253
Upper Gastro Endoscopy	16	43235	5,558	347
Arthroscopy with meniscectomy	27	29881	5,201	193
Left Heart Catherization	6	93510	4,121	687

Procedure codes are abstracted from the AMA Physician Current Procedural Terminology (CPT-4).

The number of the 50 most frequent procedure groups by CPT diagnostic category in the

state
for all centers is seen on Table B.

Outcome from Surgery

Patients are referred to a surgical center based on recommendations from their health care provider. Most patients arrive with low risk for surgery and have no prior chronic problem that may interfere with the new procedure. Most patients are treated within two or three hours and discharged to family members under the care of their family physician.

A small percent of these patients do expect limited problems after the operation, and are referred to an acute care hospital for treatment of stable or unstable medical conditions. The percent of inpatient transfer is higher with patients with existing cardiac or acute problems seen prior to surgery.

OUTCOMES FROM SURGICAL PROCEDURES	STATEWIDE STATISTICS
Number of patients transferred to a hospital with stable medical conditions.	1,239 of 367,326 cases
Number of patients transferred to a hospital with unstable medical conditions	46 of 367,326 cases
Number of cases with a post-surgical wound infection	254 of 367,326 cases
Number of patient deaths	No deaths
Percent of patients with no other medical problems other than need for surgery	43.0%
Percent of patients with an other chronic (mild) systemic disease prior to surgery	43.1%
Percent of patients with an other acute (severe) systemic disease prior to surgery	13.9%

It is recommended that individuals considering outpatient surgery discuss the need with their physician, discuss coverage with their insurance representative, and notify the surgeon of any prior conditions prior to arrival at the surgical center.

TABLE A
SUMMARY OF KEY RESOURCES AND UTILIZATION, 2001
AMBULATORY SURGICAL CENTERS, INDIANA

NAME OF CENTER	COUNTY NAME	NUMBER OF OPERATING ROOMS	KEY PROCEDURAL SPECIALIZATION	TOTAL 2001 PROCEDURES
Advanced Surgery	Tippecanoe	2	Eye	1,798
Aesthetic Surgery	Hamilton	2	Plastic	259
Akin Medical Center	Floyd	2	Allergy	545
Allied Physician Surgery	St Joseph	8	General	10,199
Apac Surgery Center	Lake	1	Pain	394

Athen Diagnostics	Montgomery	1	General	1,909
Beltway Surgery	Marion	9	General	9,498
Bloomington Endoscopy	Monroe	1	Digestive	3,091
Bloomington Surgery	Monroe	2	Eye	3,474
Broadwest Surgery	Lake	5	General	4,032
Calumet Surgery	Lake	5	General	3,410
Centers for Pain Management	Lake	2	General	1,809
Central IN Orthopedic Surgery	Delaware	2	Orthopedics	1,958
Central Indiana Surgery	Marion	2	Eye	1,347
Chandana Surgery Center	Porter	3	General	2,600
Columbus Eye Surgery	Bartholomew	1	Eye	762
Columbus Surgery	Bartholomew	2	General	4,996
Community Surgery Center	Lake	8	General	6,685
Digestive Health Center	Hamilton	2	Digestive	4,208
Dupont Ambulatory	Allen	2	General	7,890
Eastern IN Ambulatory	Wayne	3	General	8,428
Endoscopy Center	Marion	3	Digestive	4,683
Evansville Deaconess	Vanderburgh	2	General	5,656
Evansville Surgery	Vanderburgh	5	General	2,059
Evansville Newburgh Center	Warrick	4	General	1,277
Eyecare Consultants	Vanderburgh	2	Eye	1,627
Foot & Ankle Surgery	Marion	2	Podiatry	2,710
FW Cardiology Cath	Allen	1	Cardiology	552
FW Ophthalmic Surgery	Allen	3	Eye	5,493
FW Orthopaedics Surgery	Allen	4	General	6,206
Gastrointestinal Endoscopy	Vanderburgh	2	Digestive	4,233
Goshen Ambulatory Care	Elkhart	2	General	2,877
Grand Park Surgical	Lake	2	General	768
Grossnickle Eye	Kosciusko	2	Eye	5,386

Surgery				
Healthsouth North Indy	Marion	6	General	1,491
IMA Endoscopy Surgical	Lake	1	Digestive	2,768
Indiana Eye Clinic	Johnson	2	Eye	2,608
IN Surgery Cnt Noblesville	Hamilton	7	General	4,837
Indiana Surgery Center North	Marion	7	General	17,032
IN Surgery Cnt 16 th Street	Marion	6	General	9,492
Indiana Surgery South	Marion	4	General	9,492
Indianapolis Endoscopy Cnt	Marion	2	Digestive	5,699
John Kenyon Surgery	Clark	2	Eye	1,515
KK & A Surgery	Floyd	2	Orthopedic	3,497
Lafayette Amb Surgery	Tippecanoe	2	General	2,025
Lafayette Cath Lab	Tippecanoe	1	Cardiology	191
Lake Park Surgicare	Lake	4	General	2,212
Laser & Skin Surgery	Hamilton	2	Dermatology	809
Marion Surgery Center	Grant	2	General	1,509
Meridian Endoscopy Cnt	Marion	4	Digestive	4,615
Meridian Plastic Surgery	Marion	2	Plastic	7,675
Michiana Endoscopy Cnt	St Joseph	2	Digestive	4,367
Mid America Surgery	Delaware	2	General	1,016
Midwest Surgery Center	Vigo	2	General	2,115
Muncie Ambulatory	Delaware	2	Eye	3,668
Muncie Cataract and Laser	Delaware	2	Eye	1,618
Munster Same Day	Lake	3	General	3,742
Naab Rd Surgery	Marion	6	General	10,521
Nasser Smith Pinkerton	Marion	1	Cardiology	2,083
North Central Health Serv.	Tippecanoe	3	General	536

North Meridian Surgery	Hamilton	3	General	1,291
Northeast IN Endoscopy	Allen	2	Digestive	2,650
Northside Cardiac Cath	Marion	1	Cardiology	2,147
Northside Gastroenterology	Marion	4	Digestive	5,870
Northwest Surgery Center	Marion	4	General	6,201
Novamed Eye New Albany	Floyd	2	Eye	4,525
Novamed Eye Hammond	Lake	2	Eye	1,883
Novamed Eye Merrillville	Lake	2	Eye	1,442
Oakview Surgery	Fulton	1	Podiatry	122
OSMC Outpatient Surgery	Elkhart	3	General	3,662
Pain Cnt Southern Indiana	Bartholomew	1	Pain	1,679
Richmond Surgery Center	Wayne	3	General	2,623
River View Surgery	Grant	4	General	5,416
Riverpointe Cardiovascular	Elkhart	1	Cardiology	427
Riverpointe Surgery	Elkhart	1	General	5,444
Sagamore Surgical Service	Tippecanoe	2	General	3,043
South Bend Clinic Surgicenter	St Joseph	2	General	1,912
Southern IN Surgery	Monroe	4	General	6,722
Spine Rehab Ambulatory	Marion	2	Pain	2,756
St Charles Surgical Pavilion	St Joseph	1	General	4,479
Surg Cnt Pain Southern	Monroe	2	Pain	5,862
Surgery Cnt Eye Specialty	Marion	2	Eye	3,897
Surgery Center (Hand)	Marion	3	Orthopedics	8,477
Surgery Cnt Indianapolis	Marion	4	General	2,396
Surgery Opthamology	Allen	2	Eye	1,090
Surgery Southeastern	Decatur	2	General	1,003

IN				
Surgery Center Plus	Marion	3	General	1,729
Surgery Center (Allen)	Allen	2	Digestive	6,896
Surgery One	Allen	4	Orthopedics	5,447
Surgical Care Center	Marion	2	General	2,991
Surgical Center New Albany	Floyd	3	General	1,393
Surgicare	Monroe	2	General	4,075
Surgicare Outpatient	Vanderburgh	5	General	7,439
TH Heart Center Laser	Vigo	1	Cardiology	688
Valley Cataract Laser	Vanderburgh	2	Eye	2,798
Vision Springhill	Clark	2	General	2,012
Welborn Clinic Surgery	Vanderburgh	3	General	5,490
Women's Physician	Marion	4	General	2,812
Woodlawn Healthcare	LaPorte	2	General	6,585
Subtotal 99 ASCs	(25)	(273)		367,326

TABLE B
NUMBER OF 50 MOST FREQUENT PROCEDURE GROUPS
BY CURRENT TERMINOLOGY DIAGNOSTIC CATEGORY,
AMBULATORY SURGICAL CENTERS, INDIANA, 2001

ANATOMICAL SYSTEM	CPT CODE	PROCEDURE DESCRIPTION	NUMBER OF CASES
Skin	19120	Excision of cyst or breast tissue (38)	845
10040-19499	19125	Excision of tissue (41)	785
	19325	Mammoplasty with implant (23)	1,629
	Other		3,236
Subtotal Of Procedures of Integumentary System			6,495
Muscles	20680	Removal of implant (44)	696
20000-29909	26055	Incision in trigger finger (40)	804
	27096	Injection for hip procedure (19)	2,019
	28285	Hammertoe operation (35)	947
	29826	Arthroscopy with acromioplasty (28)	1,285
	29877	Shaving of articular cartilage (21)	1,759
	29881	Arthroscopy with meniscectomy (11)	5,201
	29888	Arthroscopically-aided ligament repair (45)	688
	Other		7,344

Subtotal Of Procedures of Musculoskeletal System			20,743
Respiratory	30140	Submucous resection turbinate (36)	935
30000-32999	30520	Septoplasty or submucous resection (25)	1,587
	31255	Endoscopy with ethmoidectomy (42)	782
	Other		1,186
Subtotal Of Procedures of Respiratory System			4,490
Digestive	42820	Tonsillectomy (16)	2,605
40490-49999	43235	Upper gastrointestinal endoscopy (10)	5,558
	43239	Upper gastrointestinal with biopsy (5)	11,107
	43248	Endoscopy with insert into esophagus (20)	1,804
	43450	Dilation of esophagus (26)	1,460
	45330	Sigmoidoscopy diagnostic (43)	698
	45378	Colonoscopy, flexible (2)	15,726
	45380	Colonoscopy with biopsy (8)	6,003
	45384	Colonoscopy to remove tumor (14)	3,395
	45385	Colonoscopy to snare/remove tumor (7)	7,396
	47562	Cholecystectomy excision (34)	982
	49505	Repair of inguinal hernia (33)	1,015
	Other		3,988
Subtotal Of Procedures on Digestive System			60,690
Urinary	52000	Cystourethroscopy (37)	882
50010-53899	Other		1,980
Subtotal Of Procedures on Urinary System			2,862
Genital	58558	Hysteroscopy surgical (17)	2,468
54000-58999	58662	Transection of fallopian tube (46)	664
	58670	Laparoscopy unlisted (31)	1,056
	58970	Follicle puncture for oocyte retrieval (22)	1,638
	Other		3,179
Subtotal Of Genital System			9,005
Nervous	62290	Injection for diskography lumbar (30)	1,058
61000-64999	62310	Injection of a substance (15)	3,034
	62311	Lumbar injection (4)	11,853
	64475	Injection to sacral nerve (25)	1,599
	64476	Injection of sacral nerve add level (27)	1,265
	64483	Injection of cervical or thoracic (13)	3,935
	64721	Neuroplasty to carpal tunnel (9)	5,566
	Other		1,928
Subtotal Of Procedures on Nervous System			29,968
Eye	65091	Evisceration of ocular contents (39)	881
65091-68899	66761	Iridotomy (48)	633

65091-68899	65760	Keratomileusis (50)	613
	66821	YAG Laser on lens capsule (3)	12,963
	66984	Extracapsular cataract removal (1)	38,613
	66830	Trabeculotomy (29)	1,116
	66894	Removal Cataract (48)	622
	66999	Unlisted procedure anterior eye (18)	2,327
	67210	Photocoagulation (49)	616
	Other		5,229
Subtotal Of Procedures on Eye and Ocular System			63,613
Auditory	69436	Tympanostomy (6)	7,804
69000-69999	Other		979
Subtotal Of Procedures on Auditory System			8,783
Catherization	93510	Left Heart catheterization (12)	4,505
93501-93572	Other		698
Subtotal Of Cardiac Catheterization Procedures			5,203
All Other Procedures			143,812
TOTAL Of All REPORTED PROCEDURES			367,326